

METHOD AND SYSTEM FOR GENERATION AND HOMODYNE DETECTION

ABSTRACT OF THE DISCLOSURE

5 The invention solves the problem of generation and homodyne
detection. Its main application refers to generation and reception of microwave
signals during instantaneous measurement of position and shift of mobile
elements especially of rotor units of working turbo-machines during true-time
operation. The method based on the selection of equal value of both electrical
10 channels between shunt arm in waveguide T-connection and generation diode in
one collinear arm and in the second collinear arm between the same shunt arm
and detection diode. The system contains generation diode seating connected
through waveguide T-connection with detection diode seating.